

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: August 19, 2003, 20:22:14 ; Search time 89 Seconds  
(without alignments)  
167.360 Million cell updates/sec

Title: US-09-758-881-115  
Perfect score: 20  
Sequence: 1 gctccagcatctgctgcttc 20

Scoring table: IDENTIFY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 738101 seqs, 372376393 residues

Total number of hits satisfying chosen parameters: 567764

Minimum DB seq length: 0  
Maximum DB seq length: 30

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending\_Patents\_NA\_New:\*  
1: /cgn2\_6/ptodata/2/pna/PCT\_NEW\_COMB.seq:\*  
2: /cgn2\_6/ptodata/2/pna/US06\_NEW\_COMB.seq:\*  
3: /cgn2\_6/ptodata/2/pna/US07\_NEW\_COMB.seq:\*  
4: /cgn2\_6/ptodata/2/pna/US08\_NEW\_COMB.seq:\*  
5: /cgn2\_6/ptodata/2/pna/US09\_NEW\_COMB.seq:\*  
6: /cgn2\_6/ptodata/2/pna/US10\_NEW\_COMB.seq:\*  
7: /cgn2\_6/ptodata/2/pna/US60\_NEW\_COMB.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	15.8	79.0	25	5	US-09-956-604D-50785 Sequence 50785, A
2	14.8	74.0	25	5	US-09-954-429-5485 Sequence 5485, Ap
3	14.4	72.0	25	5	US-09-956-604D-135640 Sequence 135640, A
4	14.2	71.0	25	5	US-09-956-604D-42506 Sequence 42506, A
5	14.2	71.0	25	6	US-10-318-855-17 Sequence 17, Appl
6	13.8	69.0	25	5	US-09-956-604D-82056 Sequence 82056, A
7	13.8	69.0	25	5	US-09-956-604D-105387 Sequence 105387, A
8	13.8	69.0	26	6	US-10-367-832A-7968 Sequence 7968, Ap
9	13.6	68.0	23	6	US-10-367-832A-52967 Sequence 52967, A
10	13.6	68.0	25	5	US-09-954-429-10190 Sequence 10190, A
11	13.6	68.0	25	5	US-09-954-429-11884 Sequence 11884, A
12	13.4	67.0	16	6	US-10-367-832A-47439 Sequence 47439, A
13	13.4	67.0	22	6	US-10-367-832A-4424 Sequence 4424, Ap
14	13.4	67.0	23	6	US-10-367-832A-38748 Sequence 38748, A
15	13.4	67.0	24	6	US-10-367-832A-35241 Sequence 35241, A
16	13.4	67.0	25	5	US-09-956-604D-71887 Sequence 71887, A
17	13.4	67.0	25	5	US-09-954-429-843 Sequence 843, App
18	13.4	67.0	25	5	US-09-954-429-844 Sequence 844, App
19	13.2	66.0	20	1	PCT-US03-16467-23 Sequence 23, Appl
20	13.2	66.0	20	1	PCT-US03-16467-55 Sequence 55, Appl
21	13.2	66.0	20	6	US-10-367-832A-37574 Sequence 37574, A
22	13.2	66.0	22	6	US-10-160-499-3369 Sequence 3369, Ap
23	13.2	66.0	24	1	PCT-US03-18714-31460 Sequence 31460, A
24	13.2	66.0	25	5	US-09-956-604D-73792 Sequence 73792, A
25	13.2	66.0	25	5	US-09-956-604D-73793 Sequence 73793, A
26	13.2	66.0	25	5	US-09-956-604D-73794 Sequence 73794, A

27	13.2	66.0	25	5	US-09-956-604D-88155 Sequence 88155, A
28	13.2	66.0	29	6	US-10-367-832A-57071 Sequence 57071, A
29	13	65.0	25	5	US-09-954-429-8865 Sequence 8865, Ap
30	12.8	64.0	24	6	US-10-367-832A-51657 Sequence 51657, A
31	12.8	64.0	25	5	US-09-956-604D-51276 Sequence 51276, A
32	12.8	64.0	25	5	US-09-956-604D-75061 Sequence 75061, A
33	12.8	64.0	25	5	US-09-956-604D-135010 Sequence 135010, A
34	12.8	64.0	25	5	US-09-954-429-843 Sequence 843, App
35	12.8	64.0	25	5	US-09-954-429-4344 Sequence 4344, Ap
36	12.8	64.0	25	5	US-09-954-429-4349 Sequence 4349, Ap
37	12.8	64.0	25	5	US-09-954-429-13910 Sequence 13910, A
38	12.8	64.0	25	5	US-09-954-429-13916 Sequence 13916, A
39	12.8	64.0	25	5	US-09-954-429-13961 Sequence 13961, A
40	12.8	64.0	26	6	US-10-367-832A-42025 Sequence 42025, A
41	12.8	64.0	27	6	US-10-367-832A-15232 Sequence 15232, A
42	12.8	64.0	30	6	US-10-367-832A-15233 Sequence 15233, A
43	12.6	63.0	25	5	US-09-956-604D-48255 Sequence 48255, A
44	12.6	63.0	25	5	US-09-956-604D-62900 Sequence 62900, A
45	12.6	63.0	25	5	US-09-956-604D-76801 Sequence 76801, A

ALIGNMENTS

RESULT 1  
US-09-956-604D-50785  
Sequence 50785, Application US/09956604D  
GENERAL INFORMATION:  
APPLICANT: Miltmann, Michael  
TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia Coli  
FILE REFERENCE: 3117.1  
CURRENT APPLICATION NUMBER: US/09/956,604D  
CURRENT FILING DATE: 2001-09-19  
PRIOR APPLICATION NUMBER: 60/234,049  
PRIOR FILING DATE: 2000-09-19  
NUMBER OF SEQ ID NOS: 141629  
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.2  
SEQ ID NO 50785  
LENGTH: 25  
TYPE: DNA  
ORGANISM: E. coli  
US-09-956-604D-50785

Query Match 79.0%; Score 15.8; DB 5; Length 25;  
Best Local Similarity 89.5%; Pred. No. 3.9e+02;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCTCCAGCATCTGCTT 19  
Db 3 GCTCCAGCATCTCTTCTT 21

RESULT 2  
US-09-954-429-5485/c  
Sequence 5485, Application US/09954429  
GENERAL INFORMATION:  
APPLICANT: Miltmann, Michael  
TITLE OF INVENTION: Methods of Genetic Analysis of Rat Neurobiology  
FILE REFERENCE: 3114.1  
CURRENT APPLICATION NUMBER: US/09/954,429  
CURRENT FILING DATE: 2001-09-17  
PRIOR APPLICATION NUMBER: 60/233,357  
PRIOR FILING DATE: 2000-09-18  
NUMBER OF SEQ ID NOS: 21305  
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1  
SEQ ID NO 5485  
LENGTH: 25  
TYPE: DNA  
ORGANISM: Rattus norvegicus  
US-09-954-429-5485

Query Match 74.0%; Score 14.8; DB 5; Length 25;  
Best Local Similarity 88.9%; Pred. No. 1.1e+03;

Matches 16, Conservative 0, Mismatches 2, Indels 0, Gaps 0;  
QY 1 GCTCCAGCATCTGCTGCT 18  
1 ||||| |||||  
Db 23 GTCACAGCAGCTGCTGCT 6

RESULT 3  
US-09-956-604D-135640  
; Sequence 135640, Application US/09956604D  
; GENERAL INFORMATION:  
; APPLICANT: Miltmann, Michael  
; TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia Coli  
; FILE REFERENCE: 3117.1  
; CURRENT APPLICATION NUMBER: US/09/956,604D  
; PRIOR FILING DATE: 2001-09-19  
; PRIOR FILING DATE: 2000-09-19  
; NUMBER OF SEQ ID NOS: 141629  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.2  
; SEQ ID NO 135640  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: E. coli  
US-09-956-604D-135640

Query Match 72.0%; Score 14.4; DB 5; Length 25;  
Best Local Similarity 93.8%; Pred. No. 1.6e+03;  
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGCT 16  
1 ||||| |||||  
Db 9 GCTCCATCATCTGCTG 24

RESULT 4  
US-09-956-604D-42506  
; Sequence 42506, Application US/09956604D  
; GENERAL INFORMATION:  
; APPLICANT: Miltmann, Michael  
; TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia Coli  
; FILE REFERENCE: 3117.1  
; CURRENT APPLICATION NUMBER: US/09/956,604D  
; PRIOR FILING DATE: 2001-09-19  
; PRIOR APPLICATION NUMBER: 60/234,049  
; PRIOR FILING DATE: 2000-09-19  
; NUMBER OF SEQ ID NOS: 141629  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.2  
; SEQ ID NO 42506  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: E. coli  
US-09-956-604D-42506

Query Match 71.0%; Score 14.2; DB 5; Length 25;  
Best Local Similarity 84.2%; Pred. No. 2e+03;  
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGCT 19  
1 ||||| |||||  
Db 3 GCTCCAGCCTCCGCTGCTT 21

RESULT 5  
US-10-318-855-17  
; Sequence 17, Application US/10318855  
; GENERAL INFORMATION:  
; APPLICANT: Vincent Ling  
; APPLICANT: Kyriaki Dunussi-Joannopoulos  
; TITLE OF INVENTION: NOVEL GL50 MOLECULES AND USES THEREFOR  
; FILE REFERENCE: GNN-007  
; CURRENT APPLICATION NUMBER: US/10/318,855  
; CURRENT FILING DATE: 2002-12-12

; PRIOR APPLICATION NUMBER: US/09/667,135  
; PRIOR FILING DATE: 2000-09-21  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 17  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: primer  
US-10-318-855-17

Query Match 71.0%; Score 14.2; DB 6; Length 25;  
Best Local Similarity 84.2%; Pred. No. 2e+03;  
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 CTCACAGCATCTGCTGCTC 20  
1 ||||| |||||  
Db 6 CCCAGAACCTGCTGCTTC 24

RESULT 6  
US-09-956-604D-82056  
; Sequence 82056, Application US/09956604D  
; GENERAL INFORMATION:  
; APPLICANT: Miltmann, Michael  
; TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia Coli  
; FILE REFERENCE: 3117.1  
; CURRENT APPLICATION NUMBER: US/09/956,604D  
; PRIOR FILING DATE: 2001-09-19  
; PRIOR APPLICATION NUMBER: 60/234,049  
; PRIOR FILING DATE: 2000-09-19  
; NUMBER OF SEQ ID NOS: 141629  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.2  
; SEQ ID NO 82056  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: E. coli  
US-09-956-604D-82056

Query Match 69.0%; Score 13.8; DB 5; Length 25;  
Best Local Similarity 88.2%; Pred. No. 2.9e+03;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CTCACAGCATCTGCTGCT 18  
1 ||||| |||||  
Db 6 CGCCAGCATCTGCTGCTT 22

RESULT 7  
US-09-956-604D-105387  
; Sequence 105387, Application US/09956604D  
; GENERAL INFORMATION:  
; APPLICANT: Miltmann, Michael  
; TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia Coli  
; FILE REFERENCE: 3117.1  
; CURRENT APPLICATION NUMBER: US/09/956,604D  
; PRIOR FILING DATE: 2001-09-19  
; PRIOR APPLICATION NUMBER: 60/234,049  
; PRIOR FILING DATE: 2000-09-19  
; NUMBER OF SEQ ID NOS: 141629  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.2  
; SEQ ID NO 105387  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: E. coli  
US-09-956-604D-105387

Query Match 69.0%; Score 13.8; DB 5; Length 25;  
Best Local Similarity 88.2%; Pred. No. 2.9e+03;  
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGCT 17

Db 7 GCTCCAGCATCTGCTGC 23

## RESULT 8

US-10-367-832A-7968/C  
; Sequence 7968, Application US/10367832A

; GENERAL INFORMATION:

; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.

; TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.

; FILE REFERENCE: Jim Zeeger Law Offices - 703-684-8333

; CURRENT APPLICATION NUMBER: US/10/367,832A

; CURRENT FILING DATE: 2002-08-26

; NUMBER OF SEQ ID NOS: 64158

; SOFTWARE: Proprietary

; SEQ ID NO 7968

; LENGTH: 26

; TYPE: DNA

; ORGANISM: Pseudomonas aeruginosa PA01, complete genome.

; FEATURE:

; LOCATION: (756258)...(756282)

; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 8554

US-10-367-832A-7968

Query Match 69.0%; Score 13.8; DB 6; Length 26;

Best local Similarity 88.2%; Pred. No. 2.9e+03;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGC 17

Db 25 GCTCCAGCGCGCTGCTGC 9

## RESULT 9

US-10-367-832A-52967

; Sequence 52967, Application US/10367832A

; GENERAL INFORMATION:

; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.

; TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.

; FILE REFERENCE: Jim Zeeger Law Offices - 703-684-8333

; CURRENT APPLICATION NUMBER: US/10/367,832A

; CURRENT FILING DATE: 2002-08-26

; NUMBER OF SEQ ID NOS: 64158

; SOFTWARE: Proprietary

; SEQ ID NO 52967

; LENGTH: 23

; TYPE: DNA

; ORGANISM: Pseudomonas aeruginosa PA01, complete genome.

; FEATURE:

; LOCATION: (5157777)...(5157799)

; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 56730

US-10-367-832A-52967

Query Match 68.0%; Score 13.6; DB 6; Length 23;

Best local Similarity 80.0%; Pred. No. 3.6e+03;

Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGC 20

Db 2 GCTCCAGCAGCGCGCTGCTGC 21

## RESULT 10

US-09-954-429-10190

; Sequence 10190, Application US/09954429

; GENERAL INFORMATION:

; APPLICANT: Miltmann, Michael

; TITLE OF INVENTION: Methods of Genetic Analysis of Rat Neurobiology

; FILE REFERENCE: 3114.1

; CURRENT APPLICATION NUMBER: US/09/954,429

; CURRENT FILING DATE: 2001-09-17

; PRIOR APPLICATION NUMBER: 60/233,357

; PRIOR FILING DATE: 2000-09-18

; NUMBER OF SEQ ID NOS: 21305

; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

; SEQ ID NO 10190

; LENGTH: 25

; TYPE: DNA

; ORGANISM: Rattus norvegicus

US-09-954-429-10190

Query Match 68.0%; Score 13.6; DB 5; Length 25;

Best local Similarity 80.0%; Pred. No. 3.6e+03;

Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGCTC 20

Db 3 GCTCCAGCTCCTGCGGCTGC 22

## RESULT 11

US-09-954-429-11884

; Sequence 11884, Application US/09954429

; GENERAL INFORMATION:

; APPLICANT: Miltmann, Michael

; TITLE OF INVENTION: Methods of Genetic Analysis of Rat Neurobiology

; FILE REFERENCE: 3114.1

; CURRENT APPLICATION NUMBER: US/09/954,429

; CURRENT FILING DATE: 2001-09-17

; PRIOR APPLICATION NUMBER: 60/233,357

; PRIOR FILING DATE: 2000-09-18

; NUMBER OF SEQ ID NOS: 21305

; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

; SEQ ID NO 11884

; LENGTH: 25

; TYPE: DNA

; ORGANISM: Rattus norvegicus

US-09-954-429-11884

Query Match 68.0%; Score 13.6; DB 5; Length 25;

Best local Similarity 80.0%; Pred. No. 3.6e+03;

Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGCTC 20

Db 4 GCTCAAGCGACTGCGGCTTC 23

## RESULT 12

US-10-367-832A-47439

; Sequence 47439, Application US/10367832A

; GENERAL INFORMATION:

; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.

; TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.

; FILE REFERENCE: Jim Zeeger Law Offices - 703-684-8333

; CURRENT APPLICATION NUMBER: US/10/367,832A

; CURRENT FILING DATE: 2002-08-26

; NUMBER OF SEQ ID NOS: 64158

; SOFTWARE: Proprietary

; SEQ ID NO 47439

; LENGTH: 16

; TYPE: DNA

; ORGANISM: Pseudomonas aeruginosa PA01, complete genome.

; FEATURE:

; LOCATION: (4596504)...(4596519)

; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 50

US-10-367-832A-47439

Query Match 67.0%; Score 13.4; DB 6; Length 16;

Best local Similarity 93.3%; Pred. No. 4.3e+03;

Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 CTCCAGCATCTGCTG 16

Db 2 CTCCAGCAGCCTGCTG 16

```
RESULT 13
US-10-367-832A-4424
; Sequence 4424, Application US/10367832A
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
; FILE REFERENCE: Jim Zeeger Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/367,832A
; CURRENT FILING DATE: 2002-08-26
; NUMBER OF SEQ ID NOS: 64158
; SOFTWARE: Proprietary
; SEQ ID NO 4424
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa PA01, complete genome
; FEATURE:
; LOCATION: (395709)...(395729)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 4733
US-10-367-832A-4424

Query Match
Score 67.0%; DB 6; Length 22;
Best Local Similarity 93.3%; Pred. No. 4.4e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 CTCGAGCATCTGCTG 16
Db 3 CTCGAGCACCCTGCTG 17

RESULT 14
US-10-367-832A-38748/c
; Sequence 38748, Application US/10367832A
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
; FILE REFERENCE: Jim Zeeger Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/367,832A
; CURRENT FILING DATE: 2002-08-26
; NUMBER OF SEQ ID NOS: 64158
; SOFTWARE: Proprietary
; SEQ ID NO 38748
; LENGTH: 23
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa PA01, complete genome.
; FEATURE:
; LOCATION: (3792656)...(3792678)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 41530
US-10-367-832A-38748

Query Match
Score 67.0%; DB 6; Length 23;
Best Local Similarity 93.3%; Pred. No. 4.4e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 TTCAGCATCTGCTGC 17
Db 20 TCCAGCACTGCTGC 6

RESULT 15
US-10-367-832A-35241
; Sequence 35241, Application US/10367832A
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
; FILE REFERENCE: Jim Zeeger Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/367,832A
; CURRENT FILING DATE: 2002-08-26
; NUMBER OF SEQ ID NOS: 64158
; SOFTWARE: Proprietary
; SEQ ID NO 35241
; LENGTH: 24
; TYPE: DNA
```

```
; ORGANISM: Pseudomonas aeruginosa PA01, complete genome.
; FEATURE:
; LOCATION: (3432240)...(3432263)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 37
US-10-367-832A-35241

Query Match
Score 67.0%; DB 6; Length 24;
Best Local Similarity 93.3%; Pred. No. 4.4e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 CTCGAGCATCTGCTG 16
Db 2 CTCGAGCACCCTGCTG 16
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Search completed. August 19, 2003, 22:11:41  
Job time : 90 secs